

ORBEL 25

Booklet of Abstracts

Ghent, Belgium, 10-11 February 2011

Preface

It is our pleasure to welcome you to ORBEL 25, the 25th edition of the annual conference of the Belgian Operations Research Society, Sogesci-B.V.W.B. The conference takes place on Thursday 10 and Friday 11 February 2011 in Ghent. This edition is hosted by the Faculty of Engineering and Architecture of Ghent University; the venue is the Plateau building, Jozef Plateaustraat 22, 9000 Gent, Belgium.

As in previous editions, also this year, the 25th ORBEL edition intends to play its role in promoting the discipline and in providing a forum to researchers, managers and practitioners to discuss the latest advances in Operations Research and Management Science.

We would like to thank the participants in this 25th edition and especially the authors of the 68 accepted abstracts, that compose a very rich and varied scientific programme covering almost all aspects in quantitative decision making.

To allow for sufficient time for each talk, we chose to organize four parallel sessions with either three or four talks. Information related to the plenary and parallel sessions are in this booklet of abstracts, which you can use to help you in the process of selecting the talks most relevant to your research interests (another example of decision making).

Plenary speakers this year are Leo Kroon (Rotterdam School of Management, Erasmus University Rotterdam) who will share with us some of his expertise on real-time disruption management and optimization of railway operations and Leo Liberti (Ecole Polytechnique LIX) who will discuss the theory of combinatorial methods in Euclidean distance geometry and its applications.

Also this year, the traditional ORBEL award, sponsored by OM Partners, will be awarded to the author of the best master's thesis in operations research.

Further, the venue for this year's edition seamlessly matches the travel advice of Lonely Planet, largest travel guide book publisher in the world, ranking Ghent in their top 10 cities for 2011: *"Most Belgium-bound visitors [...] see nothing more [of Ghent] than the stately fortifications of Ghent's St Pieter's Station. Those who do hop off the train and stroll along the Leie River to the historic centre will have their eyes out on stalks. Here hides one of Europe's finest panoramas of water, spires and centuries-old grand houses."* Would they know about ORBEL 25? The conference dinner this year will take place in Brasserie Pakhuis, Schuurkenstraat 4, 9000 Gent.

Finally, we would like to express our gratefulness to the members of the Scientific Committee, the Organising Committee and the local support team at Ghent University for their precious assistance during the preparation of this conference.

Thank you all for contributing to the success of ORBEL 25. We wish you an enjoyable, instructive and fruitful conference.

Sabine Wittevrongel and El-Houssaine Aghezzaf, conference chairs

Organisation

Conference chairs

Sabine Wittevrongel and El-Houssaine Aghezzaf (Ghent University)

Scientific committee

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Organising committee

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Birger Raa (Ghent University)
Wouter Rogiest (Ghent University)
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